

ABSTRACT OF THE DISCLOSURE

A handheld diagnostic ultrasound device is disclosed which is pocket sized, lightweight and is designed for clear imaging under adverse lighting conditions by utilizing a custom Head Mounted Display (HMD). The handheld diagnostic ultrasound device comprises a removable probe and a removable HMD that connects to the personal digital assistant (PDA) style control unit. The handheld diagnostic ultrasound device may be viewed on the VGA LCD Display on the diagnostic ultrasound device or on the HMD. Images obtained may be stored to a secure digital flash or transferred via USB (Universal Serial Bus) or wireless link to a remote computer system for further processing or archiving. The handheld diagnostic ultrasound device is based on a dual-core processor that achieves a level of integration not previously attainable in a handheld diagnostic ultrasound device.